

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/13379

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; C12P 19/34; C12N 15/63, 15/88; C07H 21/02, 21/04; A01N 43/04
 US CL : 435/6, 91.1, 91.31, 455; 536/23.1, 24.5; 514/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 91.1, 91.31, 455; 536/23.1, 24.5; 514/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 West, Dialog, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,506,559 (FIRE et al) 14 January 2003, abstract, 4-5, 7-8-9, claims 1-10, 12, 15, 21.	1-18
Y	US 6,096,722 (BENNETT et al) 1 August 2000 (col. 2, 6, 8, 11-12, 17, 20, 24-25, 37-39, 43-48, 54-55, claims 1, 2, 6, 7, 8-22).	1-18

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document referred to in one or more documents, such as by a reference in one document to another or a common author or common title, where the documents contain subject matter not specifically mentioned in the referred-to document(s); this category includes computer programs, print publications and mathematical tables which serve as means to solve particular problems but which do not contain any technical information
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

13 September 2005 (13.09.2005)

Date of mailing of the international search report

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